

**REMARKS**

Claims 49-91 are pending in this application. By this Amendment, the title, abstract, specification as amended, and claims 1-48 are canceled without prejudice or disclaimer, and new claims 49-91 are added. Support for the claims can be found throughout the specification, including the original claims, and the drawings. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Office objected to the drawings. The specification has been amended to address the Examiner's comments. Accordingly, the objection is obviated and should be withdrawn.

The Office Action objected to the Abstract. The Abstract has been amended to address the Examiner's comments, as well as to correct informalities. Accordingly, the objection is obviated and should be withdrawn.

The Office Action objected to the disclosure because of informalities. The disclosure has been amended to address the Examiner's comments. Accordingly, the objection is obviated and should be withdrawn.

The Office Action objected to the title as alleged not descriptive. The title has been amended to address the Examiner's comments. Accordingly, the objection is obviated and should be withdrawn.

The Office Action rejects the claims as follows:

(1) Claims 1-3, 10-11, 20-22, 28-29, 32-33, 39-40, and 45-46 under 35 U.S.C. §102(b) over Kunio, Japanese Patent Application 2001-325887;

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- (2) Claim 4 under 35 U.S.C. §103(a) over Kunio in view of Olge, U.S. Patent No. 3,975,725;
- (3) Claims 5-7, 23-25, and 34-36 under 35 U.S.C. §103(a) over Kunio;
- (4) Claims 8 and 37 under 35 U.S.C. §103(a) over Kunio in view of Shinoda et al. (hereinafter “Shinoda”), U.S. Patent No. 6,195,070;
- (5) Claims 9, 26-27, and 38 under 35 U.S.C. §103(a) over Kunio in view of Amemiya, U.S. Patent No. 5,640,068; and
- (6) Claims 14-17 and 43-44 under 35 U.S.C. §103(a) over Kunio in view of Sano et al. (hereinafter “Sano”), U.S. Patent Publication No. 2002/0021090.

The Examiner is thanked for indicating that claims 12-13, 18-19, 30-31, 41-42, and 47-48 contain allowable subject matter. Claims 12, 18, 30, 41, and 47 have been rewritten in independent form as new independent claims 49, 52, 55, 57 and 59, respectively. During the rewriting of the claims into independent form, the subject matter of the independent claims and intervening claims has been substantially rewritten further for clarity. Hence, the above rejections are moot, and the claims 49-60 are in condition for allowance.

Further, new claims 61-91 have been added. These claims are also believed to be in condition for allowance since none of the reference discloses the detailed features of the first, second, third and fourth portions of the transparent electrode and the combination thereof, as recited in independent claims 61, 69 and 79.

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In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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